REMARKS

Claims 1-47 are currently pending in the application. Favorable reconsideration of the application is respectfully requested.

I. ALLOWABLE SUBJECT MATTER

Applicants acknowledge with appreciation the indicated allowability of claims 5-18, 23, 24, 26-29, 33-36, and 43-46 subject to being amended to independent form. Applicants believe that other pending claims (i.e., claims 1-4, 19-22, 25, 30-32, 37-42, and 47) are also in condition for allowance for at least the reasons set forth below.

II. OBJECTIONS TO THE DRAWINGS

The drawings stand objected to as failing to show every feature of the claimed invention. The objections are respectfully traversed.

The "bank of capacitors" recited in claim 5 is shown in, for example, Fig. 12 as a capacitor bank 1250.

The "first number of transmit band resonators" recited in claim 6 is shown in, for example, Fig. 6 as a number of the transmit band resonator 615 in a first signal path 691, i.e., one. The "second number of receive band resonators" recited in claim 6 is shown in, for example, Fig. 6 as a number of receive band resonators 611, 612, and 613 in the first signal path 691, i.e., three. The "third number of transmit band resonators" recited in claim 6 is shown in, for example, Fig. 6 as a number of a transmit band resonator 616 in a second signal path 692, i.e., one. The "fourth number of receive band resonators" recited in claim 6 is shown in, for example, Fig. 6 as a number of the receive band resonators 611, and 612 in the second signal path 692, i.e., two.

The "feedforward path" recited in claim 12 is shown in, for example, Fig. 6 as feedforward paths including coefficient elements 621-623.

The "peak detector" recited in claim 15 is shown in, for example, Fig. 12 as a peak detector 1212.

The "transconductive element," the "inductive element," and the "capacitive element" recited in claim 22 are shown in Fig. 9 as a pair of FETs 901 and 902, inductive elements 911 and 912, and capacitive elements 921 and 922, respectively.

In view of the foregoing, Applicants believe that the drawings of this application show every feature of the claimed invention. Withdrawal of the objections is respectfully requested.

III. REJECTIONS OF CLAIMS 1-4, 19-22, 25, 30, 37-40, AND 47 UNDER 35 U.S.C. § 102(b)

Claims 1-4, 19-22, 25, 30, 37-40, and 47 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,777,512 ("Tripathi"). The rejections are respectfully traversed for at least the following reasons.

The inventions defined in independent claims 1, 19, 37, and 47 relate to a bandpass amplifier, a communication system, and a method of calibrating a bandpass amplifier. Specifically, claims 1, and 19 require "a frequency selective network ... comprising first filtering circuitry for selectively passing the transmit band, and second filtering circuitry for selectively passing the receive band, ... to effect suppression of energy associated with the transmit band in the receive band." Claim 47 recites similar elements as those of claim 1 or 19, i.e., "a means for selecting frequency comprising first filtering circuitry for selectively passing the transmit band, and second filtering circuitry for selectively passing the receive band, ... to effect suppression of energy associated with the transmit band in the receive band." Claim 37 also contains recitations similar to those of claim 1, 19, or 47, i.e., "adjusting the first filtering circuitry and the second filtering circuitry to maximize signal pass rate at the transmit band and the receive band, respectively."

The Examiner cited Fig. 10 of Tripathi for rejecting independent claims 1, 19, 37, and 47. Applicants respectfully submit that Fig. 10 of Tripathi in fact fails to show a particular configuration of filters, i.e., filtering circuitry for selectively passing a transmit band, and second filtering circuitry for selectively passing a receive band as claimed. Fig. 10 of Tripathi shows a frequency selective network 1002 as a single unit in a signal processor 1000. However, this figure does not illustrate any specific architecture of the claimed filtering circuitry. Nor does the description referring to Fig. 10 of Tripathi describe that the frequency selective network 1002 actually includes the claimed filtering circuitry -- one is tuned for a transmit band, and the other is tuned for a receive band.

For example, column 8, lines 64 - column 9, line 1 of Tripathi describes that the frequency selective network 1002 may include one or more resonator stages. However, nothing in Tripathi shows a frequency selective network which includes filtering circuitry for selectively passing a transmit band, and second filtering circuitry for selectively passing a receive band, as claimed. After careful reviewing of the Tripathi patent, Applicants was unable to locate any

mention of the above-identified claimed elements recited in independent claims 1, 19, 37, and 47.

Should the Examiner still feel that Tripathi discloses the claimed features, Applicants respectfully request the Examiner to specify an exact location of a relevant portion in Tripathi so that Applicants can provide evidence of patentability. The Examiner is reminded that, in making a prior art rejection, it is important to consider what the reference reasonably teaches. Applicants respectfully submit that it is impermissible to use the reference for what might be technically feasible but what is not suggested in the reference.

In view of the foregoing, Tripathi cannot be said to anticipate the present invention as defined in these claims. In addition, dependent claims 2-4, 20-22, 25, 30, and 38-40 are also believed patentable over the cited reference for at least the reasons set forth above in connection with independent claims 1, 19, 37, and 47.

IV. REJECTIONS OF CLAIMS 1-4, 19-22, 25, 30, 37-40, AND 47 UNDER 35 U.S.C. § 103(a)

Claims 31, 32, 41, and 42 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Tripathi. For at least the reasons set forth above in connection with independent claims 1, 19, 37, and 47, the inventions defined in claims 31, 32, 41, and 42 are believed to be patentable over the cited art. Withdrawal of the rejections is respectfully requested.

V. CONCLUSION

Applicants believe that all pending claims are in condition for allowance, and respectfully request a Notice of Allowance at an early date. If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 510-843-6200.

Respectfully submitted,
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Limited Recognition under 37 CFR § 10.9(b)

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Expires: November 6, 2003

Harry Moatz,
Director of Enrollment and Discipline